#14

1648

RAW SEQUENCE LISTING   DATE: 07/12/2002
PATENT APPLICATION: US/09/757,655A   TIME: 10:38:42

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\07122002\I757655A.raw

ENTERED

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 3 <110> APPLICANT: FUJII, Takeru
 4         YOKOYAMA, Hideakira
 5         HAMAMOTO, Hidetoshi
 7 <120> TITLE OF INVENTION: A PEPTIDE HAVING AN AFFINITY FOR gp120
 9 <130> FILE REFERENCE: 2001-0019A/LC/01732
11 <140> CURRENT APPLICATION NUMBER: 09/757,655A
12 <141> CURRENT FILING DATE: 2001-01-11
14 <150> PRIOR APPLICATION NUMBER: JP No. 2000-6182
15 <151> PRIOR FILING DATE: 2000-01-11
17 <160> NUMBER OF SEQ ID NOS: 19
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 5
23 <212> TYPE: PRT
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
29 <220> FEATURE:
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31 <222> LOCATION: (1)
32 <223> OTHER INFORMATION: Xaa = Asp, Lys, Val, Glu, Gly, Asn or Tyr
34 <220> FEATURE:
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35 <221> NAME/KEY: Residue
36 <222> LOCATION: (2)
37 <223> OTHER INFORMATION: Xaa = Val, Asp, Trp, Lys, Phe, Ile, Leu or Tyr
39 <220> FEATURE:
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41 <222> LOCATION: (3)
42 <223> OTHER INFORMATION: Xaa = Lys, Val, Asp, Arg, Ala or Trp
44 <220> FEATURE:
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W-->
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46 <222> LOCATION: (4)
47 <223> OTHER INFORMATION: Xaa = Ala, Trp or Gly
49 <220> FEATURE:
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W-->
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51 <222> LOCATION: (5)
52 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
Lys, Arg,
53         Phe, Trp, Pro or Tyr
55 <400> SEQUENCE: 1
56 Xaa Xaa Xaa Xaa Xaa
57 '1          5
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 5
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RAW SEQUENCE LISTING   DATE: 07/12/2002
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        Input Set : A:\FUJII SEQUENCE LISTING.txt
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     61 <212> TYPE: PRT
     62 <213> ORGANISM: Artificial Sequence
     64 <220> FEATURE:
     65 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     67 <220> FEATURE:
W--> 68 <221> NAME/KEY: Residue
     69 <222> LOCATION: (1)
     70 <223> OTHER INFORMATION: Xaa = Asp, Lys, Val, Glu, Gly, Asn or Tyr, or polypeptide
residue that an
     71   arbitrary amino acid stood in line in the N-terminal side from this amino acid
     73 <220> FEATURE:
W--> 74 <221> NAME/KEY: Residue
     75 <222> LOCATION: (2)
     76 <223> OTHER INFORMATION: Xaa = Val, Asp, Trp, Lys, Phe, Ile, Leu or Tyr
     78 <220> FEATURE:
W--> 79 <221> NAME/KEY: Residue
     80 <222> LOCATION: (3)
     81 <223> OTHER INFORMATION: Xaa = Lys, Val, Asp, Arg, Ala or Trp
     83 <220> FEATURE:
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     85 <222> LOCATION: (4)
     86 <223> OTHER INFORMATION: Xaa = Ala, Trp or Gly
     88 <220> FEATURE:
W--> 89 <221> NAME/KEY: Residue
     90 <222> LOCATION: (5)
     91 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
Lys, Arg,
     92   Phe, Trp, Pro or Tyr
     94 <400> SEQUENCE: 2
W--> 95 Xaa Xaa Xaa Xaa Xaa
     96 1   5
     98 <210> SEQ ID NO: 3
     99 <211> LENGTH: 5
    100 <212> TYPE: PRT
    101 <213> ORGANISM: Artificial Sequence
    103 <220> FEATURE:
    104 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
    106 <220> FEATURE:
W--> 107 <221> NAME/KEY: Residue
    108 <222> LOCATION: (1)
    109 <223> OTHER INFORMATION: Xaa = Asp, Lys, Val, Glu, Gly, Asn or Tyr
    111 <220> FEATURE:
W--> 112 <221> NAME/KEY: Residue
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    114 <223> OTHER INFORMATION: Xaa = Val, Asp, Trp, Lys, Phe, Ile, Leu or Tyr
    116 <220> FEATURE:
W--> 117 <221> NAME/KEY: Residue
    118 <222> LOCATION: (3)
    119 <223> OTHER INFORMATION: Xaa = Lys, Val, Asp, Arg, Ala or Trp
    121 <220> FEATURE:
W--> 122 <221> NAME/KEY: Residue

RAW SEQUENCE LISTING   DATE: 07/12/2002
PATENT APPLICATION: US/09/757,655A   TIME: 10:38:42

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\07122002\I757655A.raw

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     124 <223> OTHER INFORMATION: Xaa = Ala, Trp or Gly
     126 <220> FEATURE:
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     129 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Thr, Met, Asn, Gln, His, Lys,
Arg,
     130     Phe, Trp, Pro or Tyr, or polypeptide residue that an arbitrary amino acid
     131     stood in line in the C-terminal side of this amino acid, H
     133 <400> SEQUENCE: 3
W--> 134 Xaa Xaa Xaa Xaa Xaa
     135   1           5
     138 <210> SEQ ID NO: 4
     139 <211> LENGTH: 5
     140 <212> TYPE: PRT
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     144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     146 <220> FEATURE:
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     149 <223> OTHER INFORMATION: Xaa = Tyr, Arg, Phe, Gly, Trp, His or Asp
     151 <220> FEATURE:
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     154 <223> OTHER INFORMATION: Xaa = Arg, Tyr, Trp, Ala, Val, Gln, His or Lys
     156 <220> FEATURE:
W--> 157 <221> NAME/KEY: Residue
     158 <222> LOCATION: (3)
     159 <223> OTHER INFORMATION: Xaa = Lys, Tyr, Arg, Glu, Met or Trp
     161 <220> FEATURE:
W--> 162 <221> NAME/KEY: Residue
     163 <222> LOCATION: (4)
     164 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
Lys, Arg,
     165     Phe or Trp
     167 <220> FEATURE:
W--> 168 <221> NAME/KEY: Residue
     169 <222> LOCATION: (5)
     170 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
Lys, Arg,
     171     Phe, Tyr or Trp
     173 <400> SEQUENCE: 4
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     175   1           5
     177 <210> SEQ ID NO: 5
     178 <211> LENGTH: 5
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     180 <213> ORGANISM: Artificial Sequence
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     183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     185 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 07/12/2002
PATENT APPLICATION: US/09/757,655A   TIME: 10:38:42

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\07122002\I757655A.raw

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W--> 186 <221> NAME/KEY: Residue
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     188 <223> OTHER INFORMATION: Xaa = Tyr, Arg, Phe, Gly, Trp, His or Asp, or polypeptide
residue that an
     189       arbitrary amino acid stood in the N-terminal side from this amino acid
     191 <220> FEATURE:
W--> 192 <221> NAME/KEY: Residue
     193 <222> LOCATION: (2)
     194 <223> OTHER INFORMATION: Xaa = Arg, Tyr, Trp, Ala, Val, Gln, His or Lys
     196 <220> FEATURE:
W--> 197 <221> NAME/KEY: Residue
     198 <222> LOCATION: (3)
     199 <223> OTHER INFORMATION: Xaa = Lys, Tyr, Arg, Glu, Met or Trp
     201 <220> FEATURE:
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Lys, Arg,
     205       Phe or Trp
     207 <220> FEATURE:
W--> 208 <221> NAME/KEY: Residue
     209 <222> LOCATION: (5)
     210 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
Lys, Arg,
     211       Phe, Tyr or Trp
     213 <400> SEQUENCE: 5
     214 Xaa Xaa Xaa Xaa Xaa
     215  1             5
     217 <210> SEQ ID NO: 6
     218 <211> LENGTH: 5
     219 <212> TYPE: PRT
     220 <213> ORGANISM: Artificial Sequence
     222 <220> FEATURE:
     223 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     225 <220> FEATURE:
W--> 226 <221> NAME/KEY: Residue
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     228 <223> OTHER INFORMATION: Xaa = Tyr, Arg, Phe, Gly, Trp, His or Asp
     230 <220> FEATURE:
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     232 <222> LOCATION: (2)
     233 <223> OTHER INFORMATION: Xaa = Arg, Tyr, Trp, Ala, Val, Gln, His or Lys
     235 <220> FEATURE:
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     238 <223> OTHER INFORMATION: Xaa = Lys, Tyr, Arg, Glu, Met or Trp
     240 <220> FEATURE:
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     243 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
Lys, Arg,
     244       Phe or Trp
     246 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 07/12/2002
PATENT APPLICATION: US/09/757,655A   TIME: 10:38:42

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\07122002\I757655A.raw

W--> 247 <221> NAME/KEY: Residue
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Lys, Arg,
     250   Phe, Tyr or Trp, or polypeptide residue that an arbitrary amino acid stood in
line
     251   in the C-terminal side of this amino acid
     253 <400> SEQUENCE: 6
     254 Xaa Xaa Xaa Xaa Xaa
     255   1   5
     257 <210> SEQ ID NO: 7
     258 <211> LENGTH: 7
     259 <212> TYPE: PRT
     260 <213> ORGANISM: Artificial Sequence
     262 <220> FEATURE:
     263 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     265 <400> SEQUENCE: 7
     266 Gly Gly Asp Val Lys Ala Gly
     267   1   5
     269 <210> SEQ ID NO: 8
     270 <211> LENGTH: 6
     271 <212> TYPE: PRT
     272 <213> ORGANISM: Artificial Sequence
     274 <220> FEATURE:
     275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     277 <400> SEQUENCE: 8
     278 Gly Asp Val Lys Ala Gly
     279   1   5
     281 <210> SEQ ID NO: 9
     282 <211> LENGTH: 6
     283 <212> TYPE: PRT
     284 <213> ORGANISM: Artificial Sequence
     286 <220> FEATURE:
     287 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     289 <400> SEQUENCE: 9
     290 Gly Tyr Tyr Lys Ala Ala
     291   1   5
     293 <210> SEQ ID NO: 10
     294 <211> LENGTH: 6
     295 <212> TYPE: PRT
     296 <213> ORGANISM: Artificial Sequence
     298 <220> FEATURE:
     299 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
     301 <400> SEQUENCE: 10
     302 Gly Tyr Ala Tyr Arg Lys
     303   1   5
     305 <210> SEQ ID NO: 11
     306 <211> LENGTH: 6
     307 <212> TYPE: PRT
     308 <213> ORGANISM: Artificial Sequence
     310 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/12/2002
PATENT APPLICATION: US/09/757,655A   TIME: 10:38:43

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\07122002\I757655A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5
Seq#:2; Xaa Pos. 1,2,3,4,5
Seq#:3; Xaa Pos. 1,2,3,4,5
Seq#:4; Xaa Pos. 1,2,3,4,5
Seq#:5; Xaa Pos. 1,2,3,4,5
Seq#:6; Xaa Pos. 1,2,3,4,5

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:5; Line(s) 188
Seq#:6; Line(s) 250